Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No 1st & Part bill

YNK-DBR No.....
Date..... Dated.....

Date

AEE/YNK SUB. DN
SBR No: 59/3/2022
Date: 29/3/2022

Division: Yelahanka
Bill Received No.....
Scheduled Docket No.....

Sub Division: Yelahanka
Cash Book Voucher No..... dated.....

Name of Work: Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Job Code No: 002-22-000004

Est. cost: 1000.00 lakhs

Name of Contractor and Full Address : M/S A.C.R Projects, Sri Channa Reddy, Bangalore.

Work Order No: **BBMP/EE/YNK.D/EPMT/W.O/ 110 /2021-22,** **Dated : 15-02-2022**

Certified that the measurements were taken by me on 28/03/2022 and recorded in pages 494917 to 494925 of measurement Book No 4950 and that the work is satisfactorily executed.

For M/s. ACR PROJECTS
Proprietor
Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 28/03/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Sub-Division Officer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ..... percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payment
   a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated..... S D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date ..... less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Governme...

s Amt	=Rs 7,01,688,42=00
FSD	=Rs
CGST	= Rs 62,650=00
SGST	= Rs 62,650=00
IT	= Rs 14,033=00
[illegible]	= Rs 7,016=00
GST	= Rs 7,016=00
[illegible]	=Rs 1,82,434=00
[illegible]	= Rs 3,60,683=00
[illegible]	=Rs 6,65,58,159=00

For M/s. ACR PROJECTS
Proprietor
Contractor's Signature

Received Rs..... (in words).....
By Cash and by adjustment of Payment as per memorandum.

Witnesses

1.

2.

For M/s. ACR PROJECTS
Proprietor
Signature of Contractor

Dated .....

(For use in the Office)

Audited & Admitted for Rs. 7,01,688,42=00

Paid by me by cheque No..... Dated 6,65,58,159=00 Money Cheque

Cash Rs..... Dated and Rs. 36,10,683=00 Adjustment

Accts Supdt
Yelahanka Division
BBMP

Exe. Engineer
Yelahanka Division
BBMP
Executive Engineer

Initials of Officer Making Payment

ABSTRACT BILL

Restoration and Improvements of Roads At Suryavamshi Layout, Synvika Vihara Layout, Sai Vihara Layout, Naidu Layout, Nagenahalli Layout And Surrounding Areas In Ward No-02 of Yelahanka Sub Division(PACKAGE NO-01)

Sl.No	Description of work	Unit	Schedule B			Previous bill		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
1	KSRRB300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications.	Cum	5656.72	217.43	1229941.05	-	-	5523.74	217.43	1201027.66	5523.74	1201027.66
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.65cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	1205.41	5675.99	6841886.59	-	-	938.64	5675.99	5327694.23	938.64	5327694.23
3	KSRRB M2200-6. Providing TMT Bars Fe 500 steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in postion, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification.	Tn	126.56	80948.07	10244562.22	-	-	97.12	80948.07	7861556.59	97.12	7861556.59
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification.	Cum	1886.45	7497.22	14143117.92	-	-	1588.93	7497.22	11912520.29	1588.93	11912520.29
5	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	3516.80	1941.22	6826872.79	-	-	3516.80	1941.22	6826872.79	3516.80	6826872.79
6	Removing and refixing stone slabs of drains and pointing in CM (1:3).	Sqm	1065.50	112.41	119772.29	-	-		112.41	0.00	0.00	0.00
7	KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications.	Sqm	478.35	960.33	459373.86	-	-		960.33	0.00	0.00	0.00
8	Providing and Fixing pre cast covering Slab 150mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	74.40	2517.93	187333.99	-	-		2517.93	0.00	0.00	0.00

Sl.No	Description of work	Unit	Schedule B			Previous bill		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
9	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer In-charge.	Sqm	547.47	4530.86	2480509.92	-	-	235.11	4530.86	1065250.49	235.11	1065250.49
10	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.	Cum	262.82	6089.85	1600546.56	-	-	145.68	6089.85	887163.26	145.68	887163.26
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete.	Nos	23883.00	436.80	10432094.40	-	-	14184.00	436.80	6195571.20	14184.00	6195571.20
12	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications.	Sqm	3185.25	85.65	272816.66	-	-	2233.91	85.65	191334.39	2233.91	191334.39
13	KSRB S-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.	Sqm	67.92	989.23	67188.50	-	-	47.92	989.23	47403.90	47.92	47403.90
14	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications.	Sqm	2220.38	1127.34	2503123.19	-	-	721.10	1127.34	812924.87	721.10	812924.87
15	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications.	Cum	6591.21	64.58	425660.18	-	-	4081.42	64.58	263578.33	4081.42	263578.33
16	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm	15632.40	6.42	100360.01	-	-	13604.75	6.42	87342.46	13604.75	87342.46

Sl.No	Description of work	Unit	Schedule B			Previous bill		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
17	KSRRB M300-53. Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density.	Cum	146.85	347.95	51096.46	-	-	0.00	347.95	0.00	0.00	0.00
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.	Cum	2344.86	2014.87	4724588.07	-	-	1652.20	2014.87	3328959.47	1652.20	3328959.47
19	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant, carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	3126.48	2021.29	6319522.76	-	-	2202.93	2021.29	4452755.43	2202.93	4452755.43
20	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications Clause 502 of MORTH V revision.	Sqm	15632.40	34.26	535566.02	-	-	11014.64	34.26	377361.49	11014.64	377361.49
21	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen	Cum	826.77	7365.73	6089764.59	-	-	550.73	7365.73	4056542.39	550.73	4056542.39
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	16535.40	12.85	212479.89	-	-	11014.64	12.85	141538.10	11014.64	141538.10
23	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen.	Cum	661.42	8534.82	5645066.51	-	-	440.59	8534.82	3760318.02	440.59	3760318.02

Sl.No	Description of work	Unit	Schedule B			Previous bill		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
24	KSRRB M600-1.Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. do with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver.	Cum	662.99	4101.90	2719528.94	-	-	393.47	4101.90	1613958.70	393.47	1613958.70
25	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound.	Cum	662.99	5690.65	3772858.27	-	-	393.47	5690.65	2239078.00	393.47	2239078.00
26	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.	Sqm	533.83	459.29	245180.48	-	-		459.29	0.00	0.00	0.00

Sl.No	Description of work	Unit	Schedule B			Previous bill		Present Bill			Total Upto date	
			Qty	Rate	Cost	Qty	Cost	Qty.	Rate	Cost	Qty.	Cost
27	KSRRB MS00-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and complete as directed by the engineer.	Nos	367.00	360.79	132409.93	-	-		360.79	0.00	0.00	0.00
	SUB TOTAL				88383222.06					62650752.07		62650752.07
	GST 12%				10605986.65					7518090.25		7518090.00
	GRAND TOTAL				98989208.70					70168842.32		70168842.07

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

SILICON CONSULTING ENGINEERS Consultants

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore